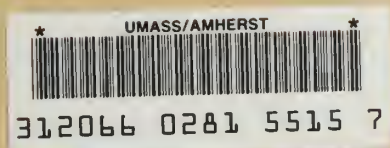


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Statewide Comprehensive Injury Prevention Program



Massachusetts Department of Public Health

October 1991

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**STATEWIDE COMPREHENSIVE
INJURY PREVENTION PROGRAM
RESEARCH AND EVALUATION INVENTORY
1979-1991**

**Bureau of Parent, Child and Adolescent Health
Massachusetts Department of Public Health
150 Tremont Street, Boston, MA 02111**

October 1991

**William F. Weld, Governor
David P. Forsberg, Secretary of Health and Human Services
David H. Mulligan, Commissioner of Public Health
Deborah Klein Walker, Assistant Commissioner**

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Disabilities Prevention Program
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Office of Disability Prevention
Massachusetts Department of Public Health**



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INTRODUCTION

The Statewide Comprehensive Injury Prevention Program (SCIPP) of the Massachusetts Department of Public Health has made significant contributions to injury control research, the development of injury prevention strategies and materials, and the promotion of injury prevention activities at local, state, regional, and national levels. This research and evaluation inventory includes over 100 data-oriented studies, surveys, reports, papers, and major presentations supported by SCIPP funding, produced by SCIPP staff, or based on SCIPP data during the past 12 years. References are listed chronologically within each section.

SCIPP is one of the country's longest standing and most comprehensive injury control programs within a state health agency. Currently in its 12th year of operation, SCIPP is supported by the federal Office of Maternal and Child Health and the National Highway Traffic Safety Administration* to operate an unintentional childhood injury prevention program, an adolescent violence prevention program, the Massachusetts Passenger Safety Program (MPSP), and an elder safety initiative. Additionally, SCIPP administers state funding for the Massachusetts Poison Control System located at Children's Hospital in Boston.

Services provided by the program include assistance and training for the development of community and/or agency-based injury control efforts, development of tools used in the teaching of injury prevention, ongoing monitoring and special studies of injury-related data, a comprehensive injury prevention resource library, and monitoring of injury-related legislation.

For copies of publications listed in this inventory, contact the SCIPP Injury Prevention Resource Library, 617-727-1246.

SCIPP staff:

Cindy Rodgers, Director
Diane Butkus, Training Coordinator
Janet Doherty, Coordinator, Injury Prevention Resource Library
Maxine Schuster, Assistant Director, Research and Evaluation
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Diane Ricciotti, Program Coordinator, MPSP
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Joanne Statires, Word Processor

* Funds are administered by the Governor's Highway Safety Bureau (GHSB).

SURVEILLANCE AND REPORTING

Childhood Injury Surveillance System: 1979-1982

Purpose

To describe the incidence of fatal and nonfatal injuries among a sample of Massachusetts children ages 0-19 years.

Instruments

SCIPP Injury Surveillance Form (1979-82)

Publications

Gallagher S et al. A strategy for the reduction of childhood injuries in Massachusetts: SCIPP. New England Journal of Medicine 1982; 307:1015-1019.

Listernick D et al. The problem of sports and recreational injuries. SCIPP Reports 1983; 4(2).

Gallagher S et al. The incidence of injuries among 87,000 Massachusetts children and adolescents: results of the 1980-81 statewide childhood injury prevention program surveillance system. American Journal of Public Health 1984; 74:1340-1347.

Mierzwa K et al. The perils of playgrounds. SCIPP Reports 1984;

Bass J et al. Injuries to adolescents and young adults. Pediatric Clinics of North America 1985; 32:31-40.

Friede A et al. The epidemiology of injuries to bicycle riders. Pediatric Clinics of North America 1985; 32:141-152.

Garrettson L et al. Falls in children and youth. Pediatric Clinics of North America 1985; 32:153-162.

Guyer B et al. An approach to the epidemiology of childhood injuries. Pediatric Clinics of North America 1985; 32:5-16.

Guyer B et al. Pedestrian injuries to children and youth. Pediatric Clinics of North America 1985; 32:163-174.

- Helsing K. Massachusetts statewide comprehensive injury prevention program, 1979-1982, sports injuries. Unpublished paper, SCIPP, 1986.
- McCabe C et al. Estimating demand for the pediatric anti-shock garment in pre-hospital emergency care. American J of Emergency Medicine 1986.
- Gallagher S. Childhood injury prevention: the extent of the problem. Proceedings of the Region 5 Third Annual MCH Leadership Conference: Making Change Happen. Chicago: University of Chicago School of Public Health, 1988, 61-66.
- Guyer B et al. Childhood injuries and their prevention. In Wallace H et al. (eds.) Maternal and child health practices. Oakland: Third Party Publishing, 1988. 505-518.
- Guyer B et al. Intentional injuries among children and adolescents in Massachusetts. New England Journal of Medicine 1989; 321:1584-1589.
- Guyer B. The application of morbidity data in the Massachusetts statewide childhood injury prevention program. Canadian Journal of Public Health 1989; 80:432-434.
- Passmore D et al. Injuries at school: epidemiology and prevention. New England Injury Prevention Research Center. Working paper series. No.17, 1989.
- Dershewitz R. Sledding related injuries in children. American Journal of Diseases of Children 1990; 144:1071-1073.
- Bass J et al. Childhood injury prevention in a suburban Massachusetts population. Public Health Reports 1991; 106:437-442.
- Malek M et al. The cost of medical care for injuries to children. Annals of Emergency Medicine 1991; 20:997-1005.
- Schuster M. Baseball-related injuries among children. Unpublished paper, SCIPP, 1991.

Presentations

Gallagher S et al. Childhood injury rates in Massachusetts. Paper presented at annual APHA meeting, Montreal, Canada, 1982.

Gallagher S. Epidemiology of injuries to children and youth. Paper presented at Society for Epidemiological Research annual meeting, Houston, TX, 1984.

Stock L et al. Childhood eye injuries: a population-based study. Paper presented at Society for Epidemiological Research, Houston, TX, 1984.

Stock L et al. Adolescent eye injuries: a population-based study. Paper presented at annual APHA meeting, Anaheim, CA, 1984.

Stock L et al. Childhood eye injuries: an epidemiological approach. Paper presented at Second National Eye Institute Symposium on Eye Disease Epidemiology, Bethesda, MD, 1985.

Anderka M et al. Adolescent work-related injuries. Poster session presented at annual APHA meeting, Washington, DC, 1985.

Azzara C et al. The relative health care and social costs for specific causes of injury. Paper presented at annual APHA meeting, Washington, DC, 1985.

Helsing K et al. Falls: a major source of morbidity among children and adolescents. Paper presented at annual APHA meeting, Washington, DC, 1985.

Gallagher S. The Massachusetts experience in developing an injury surveillance system. Workshop presentation at North Carolina conference on injury prevention, Raleigh, NC, 1986.

Smith G et al. Sports injury hospitalizations: incidence and coding problems. Poster session presented at annual APHA meeting, New Orleans, LA, 1987.

Gallagher S. Violent and self-inflicted injuries among 87,000 children and youth. Paper presented at annual APHA meeting, Boston, MA, 1988.

Gallagher S. Massachusetts: a case example of how a surveillance system works. Paper presented at Conference on Sports Injuries and Youth sponsored by National Advisory Board, National Institute of Arthritis, Musculoskeletal and Skin Disorders, Bethesda, MD, 1991.

SURVEILLANCE AND REPORTING

Injuries in Massachusetts

Purpose

To describe the incidence of fatal and serious nonfatal injuries among Massachusetts residents based on vital statistics death file and Uniform Hospital Discharge Data Set.

Instruments

Massachusetts Death Certificate
Hospital Discharge Abstract Form

Publications

Azzara C et al. The Massachusetts 1982 UHDDS: a descriptive analysis of injury cases. Unpublished paper, SCIPP, 1985.

Azzara C et al. Injuries in Massachusetts: a status report. Boston: MDPH, SCIPP, 1987.

Azzara C et al. Injuries in Massachusetts: a status report, executive summary. Boston: MDPH, SCIPP, 1987.

Rodgers C et al. Preventing injuries to Massachusetts children. In Monitoring the Massachusetts health care system for groups at risk: mothers, infants and children at risk, 1989. 27-37.

Helsing K et al. Injuries in Massachusetts: a data source book. Boston: MDPH, SCIPP, 1990.

Presentations

Azzara C et al. The Massachusetts injury report: key findings and utilization. Paper presented at annual APHA meeting, New Orleans, LA, 1987.

SURVEILLANCE AND REPORTING

Injuries in Massachusetts: Special Studies

Purpose

To describe specific causes of injury in depth based on vital statistics death file and Uniform Hospital Discharge Data Set.

Instruments

Massachusetts Death Certificate
Hospital Discharge Abstract Form

Publications

Helsing K. Massachusetts pedestrian injuries: an overview of the problem. Unpublished paper, SCIPP, 1986.

Lescohier I et al. Preventing child death: the Massachusetts child death study. Boston: MDPH, 1988.

Lescohier I et al. Preventing child death: the Massachusetts child death study, executive summary. Boston: MDPH, 1988.

Schuster M. Cape Cod hospital: description of injury discharges. Boston: MDPH, SCIPP, 1990.

Woolf A et al. Serious poisonings among older adults: a study of hospitalization and mortality rates in Massachusetts 1983-85. American Journal of Public Health 1990; 80:867-869.

Schuster M. Berkshire medical center: description of injury discharges. Boston: MDPH, SCIPP, 1991.

Schuster M. Carney hospital: description of injury discharges. Boston: MDPH, SCIPP, 1991.

Schuster, M et al. Work-related injuries and illnesses among Massachusetts children: a description of hospital admissions during FY 1988. Unpublished paper, MDPH, 1991.

Presentations

Helsing K et al. A study of comorbid conditions of alcohol and injury diagnoses. Paper presented at annual APHA meeting, New Orleans, LA, 1987.

Woolf A et al. Poisoning hospitalizations in Massachusetts: a population-based study of product type and injury severity. Paper presented at annual APHA meeting, New Orleans, LA, 1987.

SURVEILLANCE AND REPORTING

Development of a Statewide Injury Surveillance System

Purpose

To examine existing sources of injury data for use in a statewide injury surveillance system.

Instruments

Causes of Injury: A Missing Link in Injury Prevention (survey)

Publications

Rossignol A et al. An assessment of the completeness of the Massachusetts burn registry. Public Health Reports 1983; 98:492-496.

Azzara C et al. Summary of E-coding in Massachusetts. Channel 1985; 23-30.

Azzara C et al. The uniform hospital discharge data set as a source for injury surveillance. Unpublished paper, SCIPP, 1985.

Guyer B et al. Injury surveillance: a state perspective. Public Health Reports 1985; 100:588-591.

Ing R et al. Injury surveillance systems: strengths, weaknesses, and issues workshop. Public Health Reports 1985; 100:582-586.

Wilson R et al. Injury morbidity and mortality overview workshop. Public Health Reports 1985; 100:560-561.

Berenholz G. Summary of the 1988 survey of Massachusetts trauma centers. Unpublished paper, SCIPP, 1988.

Guyer B et al. Injury surveillance using hospital discharge abstracts coded by external cause of injury (E code). Journal of Trauma 1990; 30:470-473.

Presentations

Azzara C et al. Injury surveillance: hospital admissions as a predictor of morbidity. Paper presented at annual APHA meeting, Anaheim, CA, 1984.

Guyer B et al. Injury surveillance: a state perspective. Paper presented at Conference on Injury Control, Association of Schools of Public Health and CDC, Atlanta, GA, 1984.

Azzara C. Causes of injury: a missing link in injury prevention. Paper presented at Massachusetts Medical Record Association annual conference, 1985.

Berenholz G et al. The medical record as a source document in injury surveillance systems. Paper presented at annual APHA meeting, Washington, DC, 1985.

Azzara C et al. Injury surveillance: designing a low cost state system. Paper presented at annual APHA meeting, Las Vegas, NV, 1986.

Berenholz G et al. ICD-9-CM injury codes below 800. Paper presented at annual APHA meeting, New Orleans, LA, 1987.

Gallagher S. The Massachusetts experience: deterrents to E coding and methods to improve hospital discharge data as a source for injury surveillance. Paper presented at Childhood Injury Prevention in California: Coming of Age Conference, Sacramento, CA, 1988.

PROGRAM EVALUATION

Massachusetts Passenger Safety Program (MPSP)

Purpose

To assess the use of age-appropriate child restraint devices and adult use of safety belts.

Instruments

Child Passenger Safety Law Enforcement Survey
Intersection Observation Form
Parking Lot Observation Form
Seat Belt Survey
Transportation of Disabled Children Survey

Publications

Spaight S. Child auto restraint: discussion paper on current practices and needs for future program development. Unpublished paper, MDPH, Division of Preventive Medicine, 1979.

Procedures for observing the use of child restraints: a manual for observers. Unpublished, MDPH, Division of Preventive Medicine, 1980.

The Massachusetts 1982 child passenger safety observation study. Unpublished paper, CPSRC*, 1982.

Seat belt legislation survey results--telephone survey. Unpublished paper, SCIPP, 1982.

Bartoshesky P. Child and adult motor vehicle occupant safety: an observational study - Massachusetts 1983. Unpublished paper, CPSRC, 1983.

Survey of passenger restraint use, Massachusetts, 1984. Unpublished paper, CPSRC, 1984.

* Child Passenger Safety Resource Center.

Hingson R et al.* Prelaw Massachusetts seat belt use observation study--December 1985. Unpublished paper, 1985.

Hingson R et al. Massachusetts seat belt surveys: 1981-1985. Unpublished paper, 1985.

Hingson R et al. Proposed workplan to evaluate the effects of Massachusetts 1986 mandatory seat belt law. Unpublished paper, 1986.

Hingson R et al. Preliminary effects of Massachusetts' mandatory seat belt use law-January, and February 1986. Unpublished paper, 1986.

Hingson R et al. Seat belt use before and after Massachusetts' January 1986 seat belt law: Massachusetts' major cities subsample. Unpublished paper, 1986.

Hingson R et al. Massachusetts seat belt law evaluation. Unpublished paper, 1986.

Hingson R et al. Repeal of Massachusetts seat belt law: impact on seat belt use. Unpublished paper, 1986.

Rodgers C. The Massachusetts safety belt law: a summary of the first six months. Unpublished paper, MPSP, 1986.

Rosen L et al. Massachusetts occupant restraint use 1984: report of the 1984 Massachusetts observation survey. Unpublished paper, MPSP, 1986.

Transportation of disabled children survey. Unpublished paper, MPSP, 1986.

Hingson R et al. Massachusetts parking lot observation study. Unpublished tables, 1987.

Hingson R et al. Massachusetts seat belt observation study: major cities subsample. Unpublished tables, 1988.

Hingson R et al. Impact of Massachusetts 1986 mandatory seat belt and repeal law on belt use, occupant deaths, injuries, public opinion about belts and hospital costs. Unpublished paper, 1988.

* Funding sources for the work of R. Hingson and his colleagues at the Boston University School of Public Health included the Commonwealth Fund, the Insurance Institute for Highway Safety, and the Governor's Highway Safety Bureau.

Hingson R et al. Evaluation report for the Massachusetts occupant protection program. Unpublished paper, 1988.

Hingson R et al. Repeal of the Massachusetts seat belt law. American Journal of Public Health 1988; 78:548-552.

FY89 safety belt survey. Unpublished paper, MPSP, 1990.

Hingson R. Occupant protection program evaluation: comments on safety belt use, occupant injury and public attitudes about safety belts and belt laws in Massachusetts. Unpublished paper, 1990.

Presentations

Rodgers C et al. Increasing enforcement of the Massachusetts child restraint law. Paper presented at annual APHA meeting, Washington, DC, 1985.

Carrey-Beaver N. Safe transportation for children with disabilities. Paper presented at annual APHA meeting, Boston, MA, 1988.

PROGRAM EVALUATION

Comprehensive Injury Prevention Programs (CIPP): 1986-1987

Purpose

To assess the integration of childhood injury prevention activities into the work of community-based agencies.

Instruments

Child Injury Prevention Program Quarterly Report
Child Injury Prevention Program Quarterly Report: Distribution of Materials
Child Injury Prevention Program Quarterly Report: Training Sessions
CIPP Follow-up Survey
Interview Form for Evaluation of CIPP Projects
Safehome Checklist
Safehome Quarterly Report
Safehome Visit log
Safehome Visit Summary Statistics

Publications

Butkus D et al. Report of the comprehensive injury prevention programs: SCIPP funded community projects, April 1986-June 1987. Unpublished paper, SCIPP, 1987.

Butkus D et al. Report on the three-year follow-up of the comprehensive injury prevention program. Unpublished paper, SCIPP, 1990.

Presentations

Rodgers C et al. Implementation of injury control programs at the local level: a formula for success. Poster session presented at annual APHA meeting, Boston, MA, 1988.

PROGRAM EVALUATION

Massachusetts Poison Control System (MPCS)

Purpose

To evaluate usage patterns and prevention programs of Poison Control System.

Instruments

AAPCC Cooperative Poison Center Report Form

Publications

Chafee-Bahamon C. Dimensions of pediatric poisoning incidents. SCIPP Reports 1981; 1(2).

Chafee-Bahamon C et al. Patterns in hospitals' use of a regional poison center. American Journal of Public Health 1983; 73:396-400.

Chafee-Bahamon et al. The effectiveness of a regional poison center in reducing excess emergency room visits for children's poisonings. Pediatrics 1983; 72:164-169.

Chafee-Bahamon et al. Risk assessment of Ipecac in the home. Pediatrics 1985; 75:1105-1109.

Woolf A et al. Prevention of childhood poisoning: efficacy of an educational program carried out in an emergency clinic. Pediatrics, 1987; 80:359-363.

1990 annual statistical report. Boston: MPCS, 1991.

PROGRAM EVALUATION

Statewide Childhood Injury Prevention Program: 1979-1982

Purpose

To evaluate the effectiveness of a community-based injury prevention program designed to reduce the incidence of burns, falls in the home, motor-vehicle occupant injuries, poisonings, and suffocations among children ages 0-5 years.

Instruments

Case-Control Exposure Study (interview form)
Framingham Safety Surveys
Home Visiting Program Survey (family and child focused programs)
Household Hazard Education Form
Housing Inspection Coding Form
Physician Office Log
Project Burn Prevention Questionnaire
Statewide Childhood Injury Prevention Program (SCIPP) Survey (telephone)
 1980 version
 1982 version

Publications

Coding guide for housing inspection coding form. Unpublished, SCIPP.

Coding guide for household hazard education form. Unpublished, SCIPP.

Bass J et al. Developmentally-oriented safety surveys: reported parental and adolescent practices. *Clinical Pediatrics* 1980; 19:350-356.

Goodenough S. The household telephone survey. *SCIPP Reports* 1981; 1(2).

Halperin S et al. Knowledge of accident prevention among parents of young children in nine Massachusetts towns. *Public Health Reports* 1983; 98:548-552.

Bass J et al. Educating parents about injury prevention. *Pediatric Clinics of North America* 1985; 32:233-242.

Gallagher S et al. A home injury prevention program for children. *Pediatric Clinics of North America* 1985; 32:95-112.

Guyer B et al. Prevention of childhood injuries: evaluation of the statewide childhood injury prevention program (SCIPP). American Journal of Public Health 1989; 79:1521-1527.

Presentations

Gallagher S et al. A home injury prevention program for children. Paper presented at annual APHA meeting, Montreal, Canada, 1982.

Azzara C et al. Self-reported injury prevention practices and exposure to interventions. Paper presented at annual APHA meeting, Anaheim, CA, 1984.

Guyer B et al. Evaluation of the Massachusetts statewide childhood injury prevention program (SCIPP). Paper presented at annual APHA meeting, Washington, DC, 1985.

NEEDS ASSESSMENT

Primary Care Survey: 1985

Purpose

To determine health care providers' needs for training, materials, and technical assistance in the prevention of childhood injuries.

Instruments

Primary Care Survey (in-person interview)

Publications

Used as basis for development of SAFECHILD educational module.

NEEDS ASSESSMENT

Teacher Survey: 1985

Purpose

To determine elementary school teachers' attitudes and practices concerning teaching safety to children in the classroom.

Instruments

Teaching Safety: A Survey of Massachusetts Elementary School Teachers

Publications

Used as basis for development of SAFESCHOOL resource module.

Presentations

Miclette M et al. Factors influencing safety education in Massachusetts public elementary schools. Paper presented at annual APHA meeting, Washington, DC, 1985.

NEEDS ASSESSMENT

Key Informant Survey: 1985

Purpose

To determine knowledge and attitudes of legislators, health care, public health, and public safety practitioners concerning childhood injuries.

Instruments

Injuries and Accidents: A Survey of Key Massachusetts Citizens Concerning A Critical Health Issue

Presentations

Azzara C et al. Assessments by key informants on injury risk and prevention methods. Paper presented at annual APHA meeting, Las Vegas, NV, 1986.

NEEDS ASSESSMENT

Sports Survey: 1987

Purpose

To determine health and injury prevention practices among high school interscholastic athletic programs.

Instruments

Massachusetts Sports Injury Prevention Task Force High School Scholastic Athletic Program Survey

Publications

Helsing K. Sports injury prevention and treatment among Massachusetts high school interscholastic athletic programs: a status report. Boston: MDPH, SCIPP, 1990.

Helsing K. Sports injury prevention and treatment among Massachusetts high school interscholastic athletic programs: a status report, executive summary. Boston: MDPH, SCIPP, 1990.

NEEDS ASSESSMENT

Playground Survey: 1988

Purpose

To assess the extent of playground hazards; to determine the incidence and circumstances of playground injuries.

Instruments

- Playground Safety Audit
- Playground Survey (parents)

Publications

Helsing K. Targeted risk reduction program: playground injuries to young children. Unpublished final report to Education Development Center, SCIPP, 1988.

Presentations

Helsing K. A study of the environmental hazards and associated injuries at Massachusetts playgrounds. Paper presented at annual APHA meeting, Boston, MA, 1988.

NEEDS ASSESSMENT

Bureau of Parent, Child and Adolescent Health Survey: 1990

Purpose

To determine the integration of injury prevention activities and materials into programs of the Bureau of Parent, Child and Adolescent Health, Massachusetts Department of Public Health.

Instruments

Injury Prevention Survey

Publications

Schuster M. Integration of injury prevention: a survey of bureau of parent, child and adolescent health programs. Unpublished paper, SCIPP, 1990.

PRODUCT DEVELOPMENT AND EVALUATION

SAFESTATE Modules

Purpose

To determine the uses, strengths, and weaknesses of SAFESTATE modules as reported by health care providers and related professionals.

Instruments

SAFECHILD Questionnaire
SAFE DAYCARE Questionnaire
SAFEHOME Questionnaire
SAFESCHOOL Questionnaire
SAFETEEN Practitioner Review Form
SAFETEEN Questionnaire Evaluation Form
SAFETEEN Survey

Publications

Helsing K. SAFECHILD: a module in review. Unpublished paper, SCIPP, 1991.

Helsing K. SAFE DAYCARE: a module in review. Unpublished paper, SCIPP, 1991.

Helsing K. SAFEHOME: a module in review. Unpublished paper, SCIPP, 1991.

Helsing K. SAFESCHOOL: a module in review. Unpublished paper, SCIPP, 1991.

Schuster M. SAFETEEN: a module in review. Unpublished paper, SCIPP, 1991.

Presentations

Rodgers C et al. SAFETEEN: development of an adolescent injury prevention program. Poster session presented at annual APHA meeting, New York, NY, 1990.

PRODUCT DEVELOPMENT AND EVALUATION

ELDERMED

Purpose

To determine the usefulness, strengths, and weaknesses of ELDERMED materials.

Instruments

Geriatric Practitioner Survey
Project ELDERMED Survey

Publications

Used as basis for development of Project ELDERMED educational materials.

